

6.RP Price per pound and pounds per dollar

The grocery store sells beans in bulk. The grocer's sign above the beans says,

5 pounds for \$4.

At this store, you can buy any number of pounds of beans at this same rate, and all prices include tax.

Alberto said,

"The ratio of the number of dollars to the number of pounds is 4:5. That's \$0.80 per pound."

Beth said,

"The sign says the ratio of the number of pounds to the number of dollars is 5:4. That's 1.25 pounds per dollar."

- Are Alberto and Beth both correct? Explain.
- Claude needs two pounds of beans to make soup. Show Claude how much money he will need.
- Dora has \$10 and wants to stock up on beans. Show Dora how many pounds of beans she can buy.
- Do you prefer to answer parts (b) and (c) using Alberto's rate of \$0.80 per pound, using Beth's rate of 1.25 pounds per dollar, or using another strategy? Explain.